

|   | Type | L # | Hits  | Search Text   | DBs  | Time Stamp       | Comments |
|---|------|-----|-------|---|--|------------------|----------|
| 1 | BRS  | L2  | 83607 | (etch or etching or etched or etchant) adj10 (resist or photoresist or residue or post-etch adj4 residue or post-ash adj4 residue or contaminant or contamination or impurity)  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:43 |          |
| 2 | BRS  | L3  | 32823 | (dissolve or dissolving or dissolved or dissolution) adj10 (resist or photoresist or residue or post-etch adj4 residue or post-ash adj4 residue or contaminant or contamination or impurity)  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:44 |          |
| 3 | BRS  | L4  | 77483 | (strip or stripping or stripped or stripper or clean or cleaning or cleaned or cleaner or cleanse or cleansing or cleansed or cleanser) adj10 (resist or photoresist or residue or post-etch adj4 residue or post-ash adj4 residue or contaminant or contamination or impurity) | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:44 |          |

|   | Type | L # | Hits   | Search Text   | DBs  | Time Stamp       | Comments |
|---|------|-----|--------|---|--|------------------|----------|
| 4 | BRS  | L6  | 325828 | (remove or removing or removed or removal or eliminate or eliminated or eliminating or elimination) adj10 (resist or photoresist or residue or post-etch adj4 residue or post-ash adj4 residue or contaminant or contamination or impurity)         | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:45 |          |
| 5 | BRS  | L7  | 76556  | (treat or treating or treated or treatment or loosen or loosening or loosened or peel or peeling or peeled) adj10 (resist or photoresist or residue or post-etch adj4 residue or post-ash adj4 residue or contaminant or contamination or impurity) | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:45 |          |
| 6 | BRS  | L8  | 456615 | 12 or 13 or 14 or 15 or 16 or 17  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:45 |          |
| 7 | BRS  | L9  | 491669 | (carbonate or (alkylene or propylene or ethylene or butylene or dialkyl or diethyl or dimethyl) adj3 carbonate )  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:56 |          |

|    | Type | L # | Hits    | Search Text   | DBs  | Time Stamp       | Comments |
|----|------|-----|---------|---|--|------------------|----------|
| 8  | BRS  | L10 | 403955  | oxidizing adj3 agent or oxidizer or peroxide or hydrogen adj3 peroxide or "H2O2" or "H.sub.2O.sub.2" or urea adj3 peroxide or ozone or nitrogen adj3 trifluoride or "NF3" or "NF.sub.3" or benzoyl adj peroxide | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:52 |          |
| 9  | BRS  | L11 | 2439619 | same 110  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:52 |          |
| 10 | BRS  | L12 | 64129   | (benzyl adj2 alcohol or hydroxytoluene or hydroxy adj3 toluene or phenylmethanol or phenyl adj3 methanol or phenylcarbinol or phenyl adj3 carbinol)   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:56 |          |
| 11 | BRS  | L13 | 2228119 | same 18   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:53 |          |

|    | Type | L # | Hits  | Search Text           | DBs  | Time Stamp       | Comments |
|----|------|-----|-------|-----------------------|--|------------------|----------|
| 12 | BRS  | L14 | 1085  | l13 and l10 and l12   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:53 |          |
| 13 | BRS  | L15 | 15    | l13 same l10 same l12 | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:54 |          |
| 14 | BRS  | L16 | 49255 | l34/\$.ccls.          | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:54 |          |
| 15 | BRS  | L17 | 9     | l14 and l16           | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:54 |          |

|    | Type | L # | Hits   | Search Text  | DBs  | Time Stamp       | Comments |
|----|------|-----|--------|--|--|------------------|----------|
| 16 | BRS  | L18 | 790417 | (carbonate or<br>(alkylene or<br>propylene or ethylene<br>or butylene or<br>dialkyl or diethyl or<br>dimethyl) adj3<br>carbonate or "PC" )                                       | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 08:56 |          |
| 17 | BRS  | L19 | 908699 | (benzyl adj2 alcohol<br>or hydroxytoluene or<br>hydroxy adj3 toluene<br>or phenylmethanol or<br>phenyl adj3 methanol<br>or phenylcarbinol or<br>phenyl adj3 carbinol<br>or "BA") | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:03 |          |
| 18 | BRS  | L20 | 2      | 5268260.pn.  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:09 |          |
| 19 | BRS  | L21 | 179359 | ammonium adj fluoride<br>or ammonium adj<br>bifluoride or "NH4F"<br>or "NH.sub.4F" or<br>hydrofluoric adj acid<br>or HF  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:11 |          |

|    | Type | L # | Hits  | Search Text  | DBs  | Time Stamp       | Comments |
|----|------|-----|-------|--------------|--|------------------|----------|
| 20 | BRS  | L22 | 23046 | 118 same 18  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:14 |          |
| 21 | BRS  | L23 | 252   | 122 same 121 | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:11 |          |
| 22 | BRS  | L24 | 79    | 123 and 110  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:11 |          |
| 23 | BRS  | L25 | 30    | 123 same 110 | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:12 |          |

|    | Type | L # | Hits       | Search Text   | DBs  | Time Stamp       | Comments |
|----|------|-----|------------|---|--|------------------|----------|
| 24 | BRS  | L26 | 5          | 124 and 116   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:12 |          |
| 25 | BRS  | L27 | 60377<br>3 | formic or acetic or<br>oxalic or citric or<br>malic or lactic or<br>maleic or glycolic or<br>tartaric | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:23 |          |
| 26 | BRS  | L28 | 5478       | 122 same 127  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:24 |          |
| 27 | BRS  | L30 | 39         | 129 and 116   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:15 |          |

|    | Type | L # | Hits  | Search Text  | DBs   | Time Stamp       | Comments |
|----|------|-----|-------|--------------|---|------------------|----------|
| 28 | BRS  | L29 | 39    | 128 and 116  | USPAT;<br>US-PGPUB;<br>;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM-TDB;<br>USOCR | 2004/06/23 09:15 |          |
| 29 | BRS  | L31 | 81866 | formic       | USPAT;<br>US-PGPUB;<br>;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM-TDB;<br>USOCR | 2004/06/23 09:25 |          |
| 30 | BRS  | L32 | 579   | 122 same 131 | USPAT;<br>US-PGPUB;<br>;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM-TDB;<br>USOCR | 2004/06/23 09:24 |          |
| 31 | BRS  | L33 | 7     | 132 and 116  | USPAT;<br>US-PGPUB;<br>;<br>EPO;<br>JPO;<br>DERWENT;<br>IBM-TDB;<br>USOCR | 2004/06/23 09:24 |          |



|    | Type | L # | Hits  | Search Text         | DBs  | Time Stamp       | Comments |
|----|------|-----|-------|---------------------|--|------------------|----------|
| 32 | BRS  | L34 | 83346 | formic or "HCOOH"   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:25 |          |
| 33 | BRS  | L36 | 7     | 135 and 116         | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:26 |          |
| 34 | BRS  | L35 | 583   | 134 same 122        | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:29 |          |
| 35 | BRS  | L37 | 5     | 135 and photoresist | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:32 |          |

|    | Type | L # | Hits | Search Text         | DBs  | Time Stamp       | Comments |
|----|------|-----|------|---------------------|--|------------------|----------|
| 36 | BRS  | L38 | 2904 | 134 same 18         | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:32 |          |
| 37 | BRS  | L39 | 44   | 138 and 116         | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:34 |          |
| 38 | BRS  | L40 | 14   | 139 and photoresist | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:34 |          |
| 39 | BRS  | L41 | 8    | 140 and citric      | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:34 |          |

|    | Type | L # | Hits   | Search Text  | DBs  | Time Stamp       | Comments |
|----|------|-----|--------|--|--|------------------|----------|
| 40 | BRS  | L42 | 222205 | (diethanolamine or diglycolamine or ethylene adj3 diamine or isopropyl adj3 amine or monoethanol adj3 amine or morpholine or TEA or triethanolamine or triethanol adj amine) | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:42 |          |
| 41 | BRS  | L43 | 697    | 122 same 142   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:49 |          |
| 42 | BRS  | L44 | 18     | 143 and 116  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:50 |          |
| 43 | BRS  | L45 | 484801 | ((ammonium) adj3 (carbamate or carbonate or formate)) or hydroxy adl3 carbamate or carbamate   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:50 |          |

|    | Type | L # | Hits  | Search Text   | DBs  | Time Stamp           | Comments |
|----|------|-----|-------|---|--|----------------------|----------|
| 44 | BRS  | L46 | 3775  | 122 same 145  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/2<br>3 09:50 |          |
| 45 | BRS  | L47 | 21    | 146 and 116   | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/2<br>3 09:50 |          |
| 46 | BRS  | L48 | 77026 | ((ammonium) adj3<br>(carbamate or<br>carbonate or<br>formate)) or hydroxy<br>adj3 carbamate or<br>carbamate | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/2<br>3 09:53 |          |
| 47 | BRS  | L49 | 923   | 122 same 148  | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/2<br>3 09:50 |          |

|    | Type | L # | Hits | Search Text                               | DBs  | Time Stamp       | Comments |
|----|------|-----|------|---|--|------------------|----------|
| 48 | BRS  | L50 | 15   | 149 and 116                               | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:50 |          |
| 49 | BRS  | L51 | 14   | 148 and photoresist<br>and 116            | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 09:53 |          |
| 50 | BRS  | L52 | 8758 | (ether or trioxane<br>or glycol) same 113 | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 11:21 |          |
| 51 | BRS  | L53 | 1    | (trioxane) same 113                       | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 11:22 |          |

|    | Type | L # | Hits | Search Text                | DBs  | Time Stamp       | Comments |
|----|------|-----|------|----------------------------|--|------------------|----------|
| 52 | BRS  | L54 | 1    | (trixoane) and 113         | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 11:22 |          |
| 53 | BRS  | L56 | 1    | 155 and photoresist        | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 11:22 |          |
| 54 | BRS  | L55 | 12   | (trixoane) and 19          | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 11:23 |          |
| 55 | BRS  | L57 | 1    | (trixoane) and photoresist | USPA<br>T;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 11:24 |          |

|    | Type | L # | Hits | Search Text | DBs  | Time Stamp       | Comments |
|----|------|-----|------|-------------|--|------------------|----------|
| 56 | BRS  | L58 | 18   | (trixoane)  | USPAT;<br>US-P<br>GPUB<br>;<br>EPO;<br>JPO;<br>DERW<br>ENT;<br>IBM_<br>TDB;<br>USOC<br>R | 2004/06/23 11:24 |          |